

Ramachandra Hugar

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CAREER OBJECTIVE

Seeking for a creative and challenging highly position in organization and healthy work environment that gives me an opportunity for self-improvement and leadership, while contributing to the symbolic growth of the organization with my technical, innovation and logical skills

EXPERIENCE

Company: SEG-AUTOMOTIVE (Formerly BOSCH INDIA LIMITED) Designation: Testing engineering
Period: May 2017 to present (Payroll of AMPS, Bangalore)

Roles and Responsibilities

- Planning and testing of E-motors on bench (performance, heat run, ramp up, acceleration, demagnetization, and comparison tests)
- Carrying out insulation strength and leakage tests for electrical sub-assemblies before & after environmental & climatic tests
- Data acquisition from starter motor, alternators & e-motor for noise analysis
- Inspection of incoming parts as per the given drawing.
- Simplifying the assembly process by proper assembly fixtures and right tools.
- Hands on experience in assembling of rotors (skewed, unskewed, IPM and SPM motors)
- Experience in handling/assembling of hall sensor and cables (terminal type, SMD type ,unipolar soldering, DE soldering cable routing, crimping)
- Preparing thermocouples, fixing thermocouples on E-motor, Starter and Alternator for thermal mapping study for internal & customer validations
- Recording the data by using Sefram, Squadriga analyzer oscilloscope for comparison and consolidation
- Planning and testing of E-motors on field (range, gradient, acceleration, energy consumption, high speed tests)
- Product feasibility on test bench for respective applications, which includes - Application trials such as Start-Stop, Temperature Measurement, Range Test etc.
- Coordinating with quality and production team to resolve testing related issues.
- Validation reports preparation for customer approval

Tools known

Software –MS office, Artemis suite, Photron fastcam

Proficiency in Lab Test Benches

- BLDC and Starter motor Performance bench
- PB Dynamometer test bench
- Vehicle level testing Electric Vehicle
- Vibration test benches 3D Random and Sinusoidal test bench
- Environment & climatic test chambers

Key skills

- DVP preparation and evolution of sub systems & parts that includes environmental test & electrical test etc.
- Good exposure with powder dynamometer.
- Periodic calibration & preventive maintenance of test lab equipments.
- Knowledge of automotive standard of traction motor.
- Basics in NVH and Acoustic analysis
- Basic knowledge in wire harness & position sensors used in BLDC/PMSM motors such as ENCODER, HALL SENSORS
- Hydrometer to measure SOC for Lead acid battery
- Benchmarking analysis of starter motors & Alternator
- Handling of customers during inspection of finished product as per the specification.
- Involving in ISO 9001:2008 activities as an internal auditor.
- Analysis of in-process nonconformities and customer returned products.
- Understanding customer requirements, co-ordination with concerned departments for sourcing, designing, and manufacturing & technology in the execution of projects.

❖ **Data Acquisition** – Oscilloscope, Sefram recorder, Squadriga analyzer (noise test), Multimeter, Clamp on meter, Thermo meters, Shunt, Tachometers.

ACADEMIC PROFILE

June 2015	Diploma –Mechanical Engineering with 60% BTCLINX KLE Polytechnic, Mahalingpur
April 2012	SSLC with 61.5% KSSEB

PERSONAL PROFILE

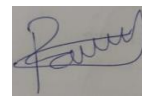
- Date of Birth: 30.7.1996
- Marital Status: Single
- Languages known: English , Kannada , Telugu
- Hobby: Cycling, Reading, exploring places, cooking

Declaration

I declare that the information given above is true to the best of my knowledge

Date:

Place: Bangalore



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